

Elliott MVP Services



***Comprehensive Repair, Maintenance and Specialized
Field Services for Steam Turbines and Equipment***



The world turns to Elliott

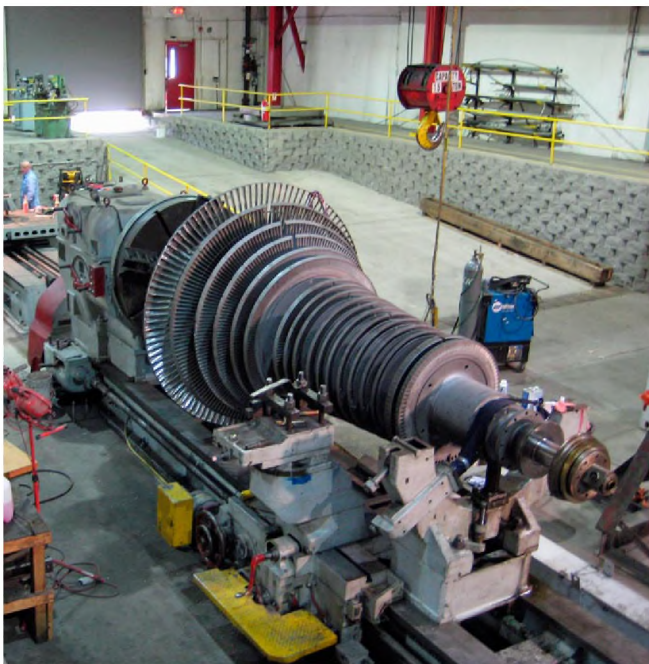
**GLOBAL
SERVICE**

When it comes to Power Generation, the goal is clear; maximum output with minimal downtime for maintenance or repair. Elliott MVP Services is the partner you can trust to help you meet that goal. We provide comprehensive steam turbine and rotating machinery repair, maintenance and specialized services – at our facility or on your site – for our Power Generation customers throughout the Americas. Our sole focus is to maximize your plant availability.

If your equipment is down, whether for routine maintenance or for a forced outage, the Elliott MVP Services response team is on call 24/7 to provide the most effective solution for your specific circumstances. Our capabilities include:

- Fully equipped 80,000 sq. ft. Repair Center in Barnhart, MO (near St. Louis) staffed around the clock to repair and/or service steam turbines and other rotating equipment of all OEM designs. We also have HVOF spray coating capability
- Field Machining Services including boring, facing, drilling, milling, turning and honing.
- Specialty Field Services, including rotor and diaphragm inspection, bucket/blade replacement or repair, diaphragm restoration and in-place journal machining.

Elliott MVP Services offers related technical services including: steam path audits and condition assessments, bucket and rotor stress analysis, reverse engineering for buckets, diaphragms and rotors, Project Management, and complete turnkey overhauls utilizing Elliott's full OEM Engineering and Service organization.



Elliott MVP Services shop, low bay

Repair Shop Services

MVP Experience and Expertise



- Component repair & replacement
- Rotor inspection & repair
- Casing/blade repairs
- Balancing
- Welding & machining
- Valve repair
- Diaphragm/dished diaphragm repairs
- Bearing repairs
- Shell and cylinder repairs
- Erosion shield replacement
- Journal machining
- Blade path resealing
- Nozzle fitting & refurbishment
- Reblading, shroud & tenon repairs
- Tie wires & lashing lugs
- Parts supply – stems, bushings, valves, bolts, dowels, miscellaneous parts
- Component and rotor HVOF spray coating



Field Machining (On-Site) Services

We service turbines from any OEM

Elliott MVP Services experienced field service technicians have been trained by many of the manufacturers and OEMs whose equipment we service. We pride ourselves not only on our expertise and capabilities, but also our emergency response rate – one of the fastest in the industry. In most cases, we can have technicians and equipment on site **within 24 hours of an emergency call**. Capabilities include on-site repairs, welding and machining.

Field machining equipment & capabilities include:

- 24-hour response
- Blading, machining & welding
- Drilling, tapping, repair of bolts & studs
- 20 ft portable machine shops
- 100 ton hydraulic lathe
- Portable 100 ton balance machine with lathe capabilities
- Generator collector ring grinding
- On-site balancing
- Split line and horizontal joint machining
- Journal and seal area machining
- Valve boring & machining



Fully equipped portable machine shops



Stationary journal machining

Specialty Field Services

Elliott MVP Services offers specialized in-house, field and technical services for Elliott and non-Elliott equipment including:

- Rotor inspections
- Blade replacement
- Field balancing
- Retro-fits
- Steam path audits
- Stress analysis
- Reverse engineering
- Generator collector ring machining and honing



Portable field balancing

Global Capabilities

Elliott MVP Services is focused on comprehensive repair, maintenance and field service for power generation customers throughout the United States. As a member of Elliott's global service network, Elliott MVP Services can also draw upon state-of-the-art engineering, machining and testing capabilities at Elliott's U.S. manufacturing center in Jeannette, PA, as well as Elliott's other 15 strategically located repair shops throughout the world.

Elliott MVP Services Repair Shop Equipment

- Cranes – 20 and 50 ton bridge cranes
- Boring Mills – 8 vertical & 3 horizontal
- Hydraulic Lathe – 112-in swing x 360-in bed
- Lathes
 - 90-in swing x 300-in bed
 - 64-in swing x 240-in bed
 - 48-in swing x 240 in-bed
 - 30-in swing x 72-in bed
 - 17-in swing x 54-in bed
 - 14-in swing x 48-in bed
- Dynamic Balancing
- 100 Ton Balancing Machine
- Milling Machines
 - Horizontal – 58, 55 and 20-in tables
 - Vertical – 50 and 48-in tables



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